



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## M13 bacteriophage (g3p). Mouse Monoclonal Antibody

Coat protein A; g3p; Minor coat protein

### BACKGROUND

The display of repertoires of antibody fragments on the surface of filamentous phage offers a new way to produce immunoreagents with defined specificities.

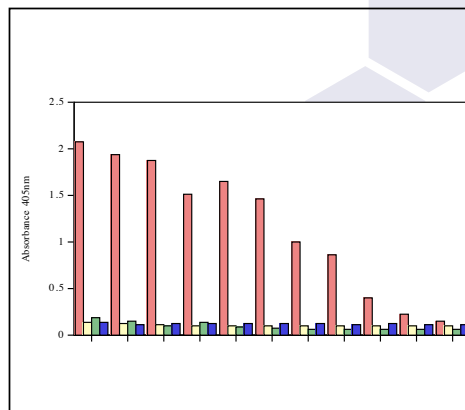
Phage derived antibody fragments offer a number of advantages over mouse monoclonal antibodies, such as better clearance from the blood, the possibility to select from human combinatorial libraries and the relative ease by which such fragments can be manipulated. The phage display technique thus facilitates the selection of antibody fragments of therapeutic value or research interest.

Antibodies to M13 filamentous phage coat proteins are instrumental in the selection and detection of phages expressing specific antibody fragments or peptide sequences at their surface.

### IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with isolated M13 phage coat proteins and mouse myeloma cells.

Data represents absorbancy readings for A10B phage on rabbit IgG (A10B/IgG), A10B phage on BSA (A10B/BSA), streptavidin on rabbit IgG (SA/IgG) and streptavidin on BSA (SA/BSA) for each dilution of biotinylated anti-M13 monoclonal antibody.



### ORDERING INFORMATION

#### CATALOG NUMBER

Z115S

#### SIZE

100 µg

#### FORM

Unconjugated

#### HOST/CLONE

Mouse Clone E1

#### FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

#### CONCENTRATION

See vial for concentration

#### ISOTYPE

IgG3

#### APPLICATIONS

ELISA, Western Blot, Flow Cytometry, IHC

#### SPECIES REACTIVITY

N/A

#### ACCESSION NUMBER

## POSITIVE CONTROL/TISSUE EXPRESSION

### COMMENTS

Optimal concentration should be evaluated by serial dilutions.

### PURIFICATION

Protein A/G Chromatography

### SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

### STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

### STABILITY

Products are stable for one year from purchase when stored properly

### REFERENCES

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- 3- Cleary J.M., Ray D.S.; Deletion analysis of the cloned replication origin region from bacteriophage M13; J. Virol. 40:197-203(1981).
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- 7- Sanger F., Nicklen S., Coulson A.R.; DNA sequencing with chain-terminating inhibitors; Proc. Natl. Acad. Sci. U.S.A. 74:5463-5468(1977).
- 8- Zoller M.J., Smith M.; Oligonucleotide-directed mutagenesis of DNA fragments cloned into M13 vectors; Meth. Enzymol. 100:468-500(1983).
- 9- Hu N.T., Messing J.; The making of strand-specific M13 probes; Gene 17:271-277(1982).
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- 11- Ebright R., Dong Q., Messing J.; Corrected nucleotide sequence of M13mp18 gene III; Gene 114:81-83(1992).
- 12- Hong G.F.; A method for sequencing single-stranded cloned DNA in both directions; Biosci. Rep. 1:243-252(1981).
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### PRODUCT SPECIFIC REFERENCES

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2. Qi, Cai et al, 'Phage M13KO7 detection with biosensor based on imaging ellipsometry and AFM microscopic confirmation' Virus Research 2009, 140, , 79-84
3. Tragoolpua, Khajornsak et al, 'Generation of functional scFv intrabody to abate the expression of CD147 surface molecule of 293A cells' BMC Biotechnology 2008, 8, 5, Online only